

ABSTRACT OF THE DISCLOSURE

To provide an interference-signal removing apparatus for improving the quality of interference-removed input signals by removing only interference signals having a comparatively high level from input signals including wide-band signals and narrow-band interference signals. For example, input-signal control means 1 and 2 restrict effective word lengths of digital values of input signals, interference-signal estimation means 3 estimates interference signals included in input signals in accordance with effective-word-length-restricted input signals, interference-signal extraction means 4 extracts interference signals included input signals in accordance with an estimation result of the interference-signal estimation means, and interference-signal removal means 5 removes extracted interference signals from input signals.